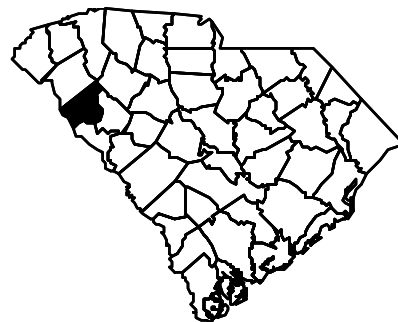


ASTHMA IN ABBEVILLE COUNTY



Produced by the S.C. Department of Health and Environmental Control for Asthma Awareness Month

May 2003)

Impact of Asthma in the United States

- U.S. asthma lifetime cases more than doubled from an estimated 6.7 million to 31.3 million between 1980 and 2001.
- Costs for asthma have almost tripled from an estimated \$6.2 billion in 1990, to over \$16 billion in 2001.
- Five million U.S. children are asthmatic, more than the entire population of South Carolina.
- 4,222 people died of asthma in 2001.

Asthma in South Carolina

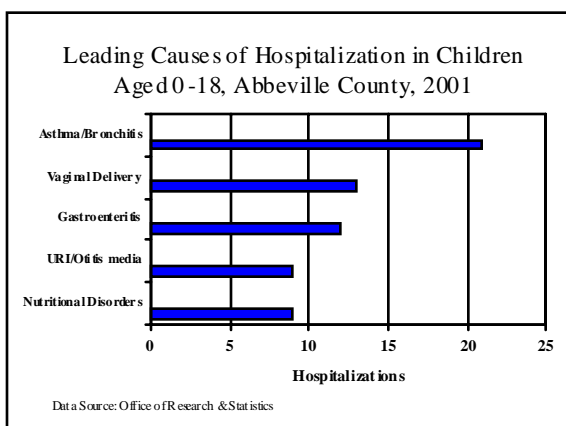
- Annually about 264,000 South Carolinians suffer from asthma.
- In 2001, 1.2% (5,785) of ALL hospitalizations were for asthma.
- Asthma claimed the lives of 77 South Carolinians in 2001.

Impact of Asthma in Abbeville County

- About 1,474 (5.6%) adults in Abbeville county suffer annually from asthma.
- In 2001, there were 26 hospitalizations for asthma in Abbeville county for all ages.

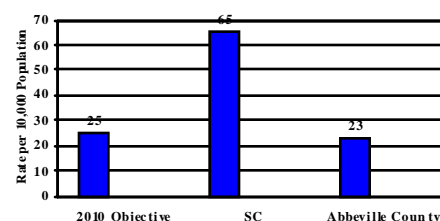
Children Suffer the Most from Asthma

- Asthma/Bronchitis is the leading cause of hospitalization in Abbeville county for children under the age 18.



- In 2001, there were 21 asthma hospitalizations of children (<18 years) in Abbeville county.
- Healthy People 2010 Objective for asthma hospitalizations among children under age 5 years is 25 per 10,000 children.
- Abbeville county had a rate of 23 per 10,000 children under the age of 5 in 2001, compared to South Carolina's 65 per 10,000 children.

Comparison of Asthma Hospitalization Rates, Children Aged 0-5, Abbeville County, 2001

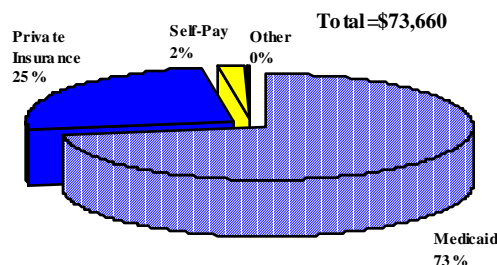


Data Source: Office of Research & Statistics

Cost of Asthma

- \$73,660 was charged in 2001 for hospital and ER visits in Abbeville county for asthmatic children (<18 years).
- Medicaid covered nearly 73% of these charges.

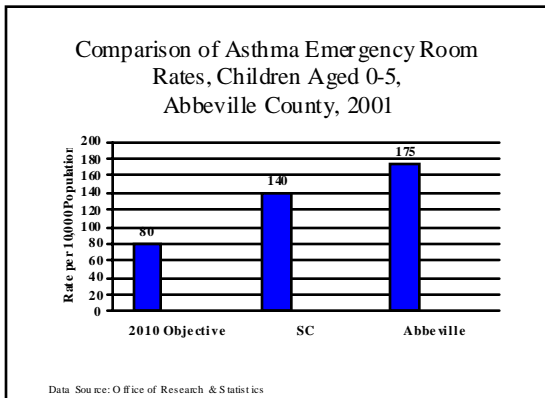
Percent Distribution of Asthma Related ER & Hospitalization Charges of Children Aged 0-18, Abbeville County, 2001



Data Source: Office of Research & Statistics

Emergency Room

- 81 children under the age of 18 visited the ER due to asthma in Abbeville county in 2001. This represents 49% of all ER visits due to asthma.
- \$28,860 was charged for ER visits in Abbeville county for asthmatic children (< 18 years) in 2001.



- Healthy People 2010 Objective for asthma related ER visits among children under age 5 years old is 80 per 10,000 children.
- Abbeville county had an ER rate of 175 per 10,000 children under the age of 5 in 2001, compared to South Carolina's 140 per 10,000 children.

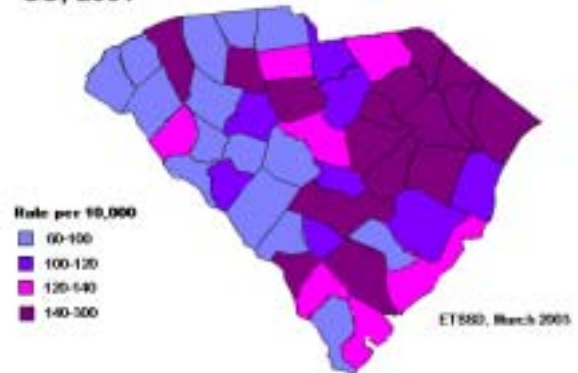


Disparities

- Non-white children under the age of 18 visit ER more frequently than white children in the same age group.
- The hospitalization rate among non-white children is nearly twice as often as white children in South Carolina.

| Hospital and Emergency Room Rates per 10,000 Children (< 18 years), 2001 | | | | |
|--|------------------|-----------|----------------|-----------|
| | Abbeville County | | South Carolina | |
| | White | Non-white | White | Non-white |
| Hospital | 4.82 | 36.0 | 19.2 | 41.5 |
| ER | 60.2 | 228.2 | 46.0 | 155.5 |

Asthma Related Hospital and ER Visits Rate for Children Younger than 18 SC, 2001



For more information on asthma contact:

SC DHEC Data Sources:

Behavior Risk Factor Surveillance System

Bureau of Epidemiology
(803) 545-4920

Vital Records

Division of Biostatistics
(803) 898-3649

Bureau of Air Quality

Outreach Section
(803) 898-4467

www.scdhec.net

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Bureau of Epidemiology

Hospital discharges and ER visits, contact:

Office of Research and Statistics

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1919 Blanding Street
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